



# ***Joint Warfare System (JWARS)***

## ***Status Update***



# ***Outline***

- **Overview**
- **JWARS Development Status**
- **ASNE MSEA Activity**
- **Summary**



# JWARS Overview

***C4ISR-centric, joint campaign-level model with integrated Strategic Mobility, Theater Logistics, Joint Warfighting, & Environment***

**Strategic Mobility**



**TPFDD**

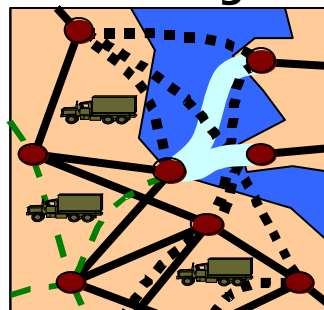


**"Integrated"**

**Requirements**



**Theater Logistics**



**Supplies**



**"Integrated"**

**Sustainment**



**Requirements**

**Joint Warfighting  
(Perception-based)**



**Destruction of assets, disruption of deployment network, day declarations**

## JWARS Users

- OSD
- Joint Staff
- Services
- COCOMs
- JFCOM
- Agencies
- Industry (future)

## JWARS Uses

- Force structure and strategy assessment
- C4ISR architecture analysis and systems trade-offs
- Strategic concepts and doctrine development
- OPLAN construction and COA analysis
- Force deployment integrated planning

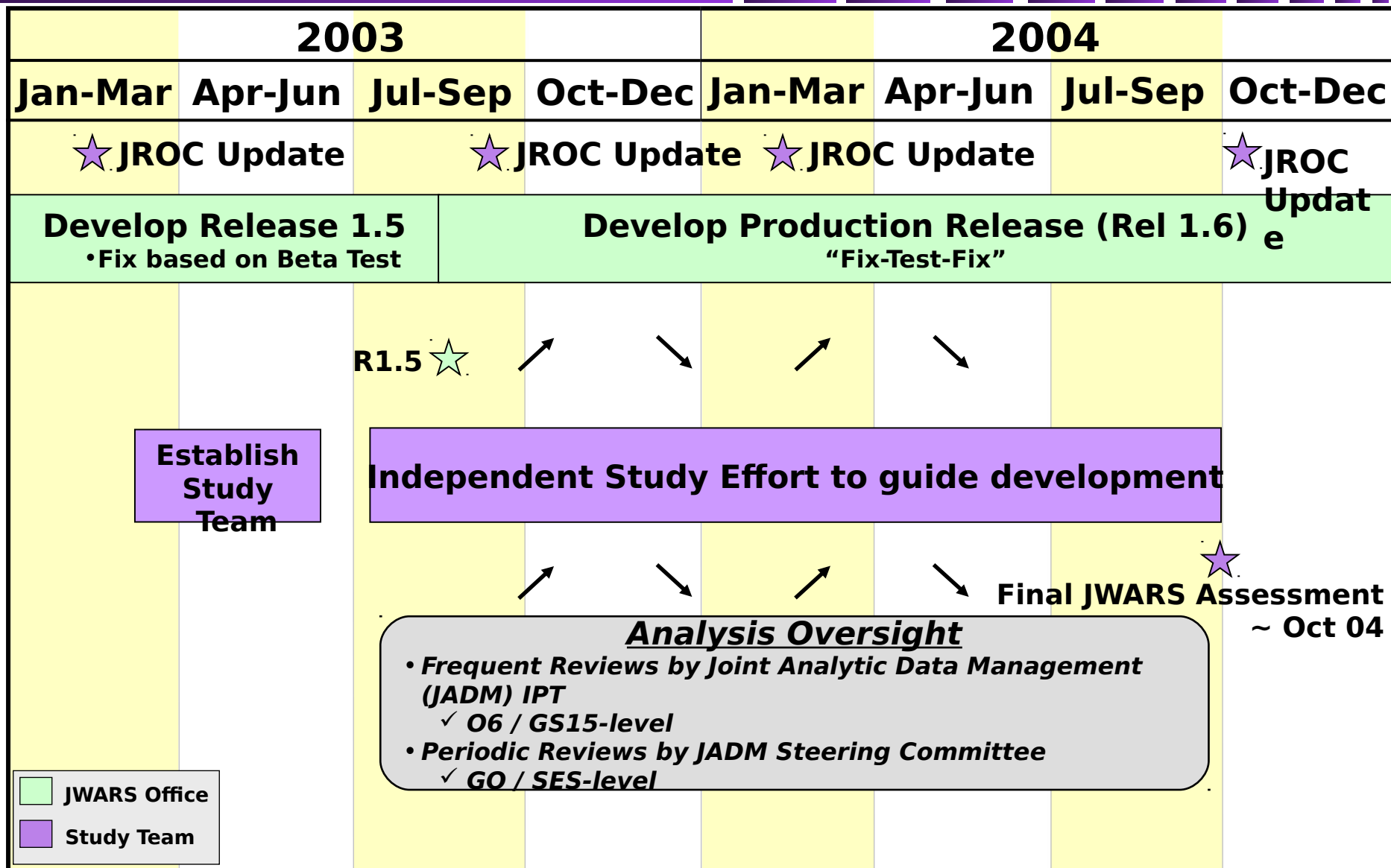


# ***JWARS Development Status***

- **Release 1.5 out since July 2003**
  - **Approx 55 users have received JWARS 1.5 software**
- **JWARS uses “study-driven” fielding approach**
  - **Use a focused study to guide development, while maintaining good software practices**
- **Full-scale effort on Release 1.6 (early 2005)**
- **ASNE MSEA asked to coordinate/integrate environmental work**
  - **Implementation of Atmospheric Domain stable**
  - **Some potential improvements in Terrain (mobility network throughput capacity and urban environment effects) and Ocean (improved active antisubmarine warfare algorithms)**



# Study-Driven Development





# ***Recent ASNE MSEA Activity***

- **Rerun of several JWARS data sets**
  - **Complete: SWA, Indonesia**
  - **In works: E Asia, So America, SW U.S., “Homeland Defense”**
- **Assist JWARS to improve wx data visualization**
  - **USAF/XOXs involvement**
- **ESG Build 5.0 development**
- **Assist JWARS study team**
- **Review and update JWARS Environment documents**



# *Summary*

- **Summary**

- **JWARS Release 1.5 being used—55 user sites**
- **JWARS Release 1.6 programmed early 2005**
  - **Heavy developmental effort**
- **ASNE MSEA assisting in environmental coordination and integration, data visualization efforts**